

**IAP6 Rec'd PCT/PTO 28 SEP 2006**

<b>TRANSMITTAL LETTER TO THE UNITED STATES          DESIGNATED/ELECTED OFFICE (DO/EO/US)          CONCERNING A FILING UNDER 35 U.S.C. 371</b>		<b>ATTORNEY'S DOCKET NUMBER</b> 96605/28US  <b>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)</b> <b>10/594708</b>
<b>INTERNATIONAL APPLICATION NO.</b> PCT/US05/10528	<b>INTERNATIONAL FILING DATE</b> 28 March 2005 (28.03.2005)	<b>PRIORITY DATE CLAIMED</b> 29 March 2004 (29.03.2004)
<b>TITLE OF NEW NANOSHELLS AND DISCRETE POLYMER-COATED NANOSHELLS, METHODS FOR MAKING AND USING SAME</b>		
<b>APPLICANT(S) FOR DO/EO/US: T. Randall Lee and Jun-Hyun Kim</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371)(f). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as file (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4)..</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> has not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input checked="" type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</li> <li>18. <input checked="" type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the International application under 35 U.S.C. 154(d)(4).</li> </ol>		

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY DOCKET NUMBER	
10/594708		PCT/US2004/17940		98006/27US	
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20. Other items or information: PCT/IB/311; PCT/IB/332; PCT/IPEA/401; and PCT/IB/311. Please associate with application with Customer Number 23873.					
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))				\$300	
				\$300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 DCR 1.492(c))				\$200.00	
If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)				\$0	
All other situations				\$200	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))				\$400.00	
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)				\$0	
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority				\$100	
International Search Report prepared by ISA other than the US and provided to the Office or previously communicated to the US by the IB				\$400	
All other situations				\$500	
Total of 21, 22 and 23 =				\$900.00	
<input checked="" type="checkbox"/> Additional fee for specification and drawing filed in paper of 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE	
78-100 = 0		0		x \$250.00	\$0.00
Surcharge of \$310.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national phase (37 CFR 1.492(h)).					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	21	1	x \$50.00	\$50.00	
Independent claims	6	3	x \$200.00	\$600.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				x \$360.00	
TOTAL OF ABOVE CALCULATIONS =				\$650.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$775.00	
SUBTOTAL =				\$775.00	
Prosecuting fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority data (37 CFR 1.492(f)).				\$0.00	
TOTAL NATIONAL FEE =				\$775.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$0.00	
TOTAL FEES ENCLOSED =				\$775.00	
Please associate with application with Customer Number 23873.				Amount to be refunded:	
				Amount to be charged:	

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- a. ☒ A check in the amount of \$ 775 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ In the amount of \$ \_\_\_\_\_ to cover the above fees.
- c. ☒ The Commissioner is hereby authorized to charge any additional fee which may be required, or credit any overpayment to Deposit Account No. 501518. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information of this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

**CUSTOMER NO. 23873**



SIGNATURE

**Robert W. Strozier**

NAME

**34,024**

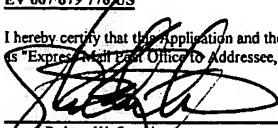
REGISTRATION NUMBER

10/594708

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**ROBERT W. STROZIER, P.L.L.C.**A FIRM SPECIALIZING IN INTELLECTUAL PROPERTY LAW INCLUDING  
PATENT, TRADEMARK, COPYRIGHT, TRADE SECRET LAW,  
UNFAIR COMPETITION AND RELATED MATTERSP.O. Box 429  
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September 28, 2006

EV 667 679 776 JIS	CERTIFICATION UNDER 37 C.F.R. § 1.10	28 September 2006 Date of Deposit
I hereby certify that the application and the documents referred to as enclosed therein are being deposited with the United States Postal Service in an envelope as "Express Mail Post Office to Addressee," addressed to:		
	Commissioner for Patents MS PATENT APPLICATION P.O. Box 1450 Alexandria, VA 22313-1450	28 September 2006 Date of Signature
Robert W. Strozier		

Honorable Commissioner for Patents  
MS NEW PATENT APPLICATION  
P.O. Box 14750  
Alexandria, VA 22313-1450Attorney Docket No:  
**96605/28US**

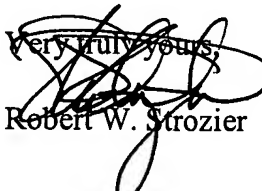
RE: US SN: ; FD: 09/28/2006  
Priority PCT/US05/10528; FD: 28/03/2005 and USPSN: 60/557290; FD:  
03/29/04  
Title: NEW NANOSHELLS AND DISCRETE POLYMER-COATED  
NANOSHELLS, METHODS FOR MAKING AND USING SAME  
UHID: 2003-040  
Our Ref. No.: 96605/28US

Dear Sir/Madam:

This letter is a request to file a Utility Patent Application under 37 U.S.C. § 371 including:  
(1) FORM PTO-1390; (2) Copy of Request as filed w/ Application; (3) Copy of Demand as  
filed; (4) Copy of PCT/IB/332; (5) Copy of PCT/IB/301; (6) Copy of PCT/IB/304; (7) Copy of  
PCT/IB/308; (8) Copy of PCT/ISA/401; (9) Copy of PCT/ISA/402; (10) Copy of PCT/ISA/210  
w/ copies of articles; (11) Copy of PCT Published Application WO04038431; and (12) a Return  
Receipt Postcard.

Please address all correspondence in connection with this application to:

**23873**

Very truly yours,  
  
Robert W. Strozier

RWS/sls

Enclosures:

FORM PTO-1390 PCT Nationalization under 35 USC 371  
Listed PCT Documents  
Return Self-Addressed Stamped Postcard